

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
SAN FRANCISCO BAY REGION

ORDER NO. 80-38

WASTE DISCHARGE REQUIREMENTS FOR:

CHEMICAL & PIGMENT COMPANY
PITTSBURG, CONTRA COSTA COUNTY

The California Regional Water Quality Control Board, San Francisco Bay Region, (hereinafter called the Board) finds that:

1. Chemical & Pigment Company, hereinafter called the discharger, filed a Report of Waste Discharge dated August 20, 1979 and amended by letter dated February 28, 1980; and a site evaluation report dated December 18, 1979.
2. The discharger manufactures chemical products for agricultural fertilizers and discharges an annual average of about 2,400 gallons per day of polluted stormwater runoff, boiler blowdown and spent water softener and hydrochloric acid fume scrubber solution to a evaporation pond located on the plant site, north of Port Chicago Highway as shown in Attachment 'A' incorporated herein and made part of this Order. Major products and raw materials are ammonia chloride, copper sulfate, hydrochloric and sulfuric acid, sodium hydroxide, zinc sulfate and zinc chloride.
3. The plant site comprises approximately 4 acres of developed area. The evaporation pond is located west of the plant facilities and is about 150 feet by 250 feet with a total capacity of 1.4 million gallons. The evaporation pond has a bottom elevation of 45.5 feet with the top of dike at about 54 feet. The embankment of the pond was made of sandy clay material compacted to at least 90 percent relative compaction. The pond has an impermeable barrier to prevent seepage.
4. The disposal site meets the criteria contained in the California Administrative Code, Title 23, Chapter 3, Subchapter 15 for classification of the evaporation pond as a limited Class I disposal site suitable to receive limited group 1 liquid wastes.
5. Land within 1000 feet of this site is used for industrial facilities and grazing.
6. On March 26, 1970, the Board adopted Resolution No. 70-21 prescribing waste discharge requirements for Chemical and Pigment Company for the discharge of industrial wastes into Suisun Bay.

7. This project involves the continued operation of a privately-owned facility with negligible or no expansion of use beyond that previously existing. Consequently, this project will not have a significant effect on the environment based upon the exemption provided in Section 15101, Title 14, California Administrative Code.
8. The Board, in April 1975 adopted a Water Quality Control Plan for the San Francisco Bay Basin.
9. The beneficial uses of Suisun Bay and contiguous waters are:
 - a. Recreation
 - b. Fish migration and habitat
 - c. Habitat and resting for waterfowl and migratory birds
 - d. Industrial, agricultural & municipal water supply
 - e. Esthetic enjoyment
 - f. Navigation
10. The Board has notified the discharger and interested agencies and persons of its intent to prescribe waste discharge requirements for the discharge and has provided them with an opportunity for a public hearing and an opportunity to submit their written views and recommendations.
11. The Board, in a public meeting, heard and considered all comments pertaining to the discharge.

IT IS HEREBY ORDERED that Chemical and Pigment and any other persons that shall own the land or operate the disposal site shall comply with the following:

A. Waste Disposal Specifications

1. The treatment or disposal of waste shall not cause pollution or a nuisance as defined in Section 13050(m) of the California Water Code.
2. A minimum freeboard of two feet shall be maintained in the evaporation pond at all time.
3. A minimum freeboard of 6 feet should be maintained at the onset of each rainy season.
4. The waste pond shall be protected from any washout or erosion or from any threat of inundation.
5. Vertical and lateral hydraulic continuity with ground or surface waters in evaporation pond shall be prevented by the presence of a natural or artificial clay barrier surrounding the area which is keyed into impermeable substrata and has a thickness of at least five feet and a permeability of 1×10^{-8} cm/sec or less.

B. Prohibitions

1. The discharge of waste to surface drainage courses or to usable ground water is prohibited.
2. The discharge of stormwater runoff from process areas other than to the evaporation pond or other appropriate Class I disposal site is prohibited.
3. No wastes shall be discharged to the pond except those described in Finding 2. No wastes generated offsite shall be discharged to the pond.
4. No roof drainage from nonprocess areas shall be diverted to evaporation ponds.

C. Provisions

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1. The discharger shall remove and relocate any wastes which are discharged at this site in violation of these requirements.
2. The discharger shall maintain a copy of this order at the site so as to be available at all times to site operating personnel.
3. The discharger shall maintain a legible record showing the volume and characteristics of the waste received at the evaporation pond.
4. The discharger shall file with this Board a report of any material change or proposed change in the character, location or quantity of this waste discharge. For the purpose of these requirements, this includes any proposed change in the boundaries, contours or ownership of the disposal area.
5. This Board considers the property owner to have a continuing responsibility for correcting any problems which may arise in the future as a result of this waste discharge or water applied to this property during subsequent use of the land for other purposes.
6. The discharger shall file with the Board technical reports on self-monitoring work performed according to the detailed specifications contained in any Monitoring and Reporting Program which may be directed by the Executive Officer.
7. The discharger shall permit the Regional Board:
 - a. Entry upon premises on which waste are located or in which any required records are kept,
 - b. Access to copy any records required to be kept under terms and conditions of this Order,

- c. Inspection of monitoring equipment or records, and
- d. Sampling of any discharge.

I, Fred H. Dierker, Executive Officer, do hereby certify the foregoing is a full, true, and correct copy of an Order adopted by the California Regional Water Quality Control Board, San Francisco Bay Region, on August 5, 1980.

FRED H. DIERKER
Executive Officer